

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please AMEND claims 1-7 and ADD new claims 8-12 in accordance with the following:

What is claimed is:

1. (CURRENTLY AMENDED) A data display device comprising:
an appearance ~~characteristic~~ property obtaining unit that obtains an appearance characteristic property of each of ~~data objects~~ a plurality of object sets that are displayed on a screen by similar data display ways represented in a same data representation type on a screen, ~~the data objects representing pieces of information to be displayed on the screen respectively~~ each of the object sets being data objects indicating a type of data, the appearance property indicating a fill area, the number of colors, or the number of data objects;
a weighting unit that applies a weighted value to each object set based on the appearance property; and
a display control unit that changes an appearance of at least one of the ~~data objects~~ object sets so that the at least one of the ~~data objects~~ object sets is displayed in a distinct appearance, ~~depending on the appearance characteristic obtained~~ based on the weighted value.
2. (CURRENTLY AMENDED) The data display device according to claim 1, wherein ~~the data objects~~ each object set includes a fill object that is presented by a fill data display way fill objects represented in a fill data representation type.
3. (CURRENTLY AMENDED) The data display device according to claim 1, wherein ~~the data objects~~ each object set includes a plot object that is presented by a plot data display way plot objects represented in a plot data representation type.
4. (CURRENTLY AMENDED) The data display device according to claim 1, wherein ~~the data objects~~ each object set includes a line contour object that is presented by a line contour data display way line contour objects represented in a line contour data representation type.

5. (CURRENTLY AMENDED) The data display device according to claim 1, wherein ~~the data objects~~ each object set includes ~~a vector object that is presented by a vector data display way~~ vector objects represented in a vector data representation type.

6. (CURRENTLY AMENDED) A computer-implemented data display method comprising:

obtaining an appearance characteristic property of each of ~~data objects~~ a plurality of object sets that are ~~displayed on a screen by similar data display ways~~ represented in a same data representation type on a screen, ~~the data objects representing pieces of information to be displayed on the screen respectively~~ each of the object sets being data objects indicating a type of data, the appearance property indicating a fill area, the number of colors, or the number of data objects; and

changing an appearance of at least one of the ~~data objects~~ object sets so that the at least one of the ~~data objects~~ object sets is displayed in a distinct appearance, ~~depending on the appearance characteristic obtained~~ based on the appearance property.

7. (CURRENTLY AMENDED) A computer program product for displaying data on a screen, including computer executable instructions stored on a computer readable medium, wherein the instructions, when executed by the computer, cause the computer to perform:

obtaining an appearance characteristic property of each of ~~data objects~~ a plurality of object sets ~~that are displayed on the screen by similar data display ways~~ represented in a same data representation type on a screen, ~~the data objects representing pieces of information to be displayed on the screen respectively~~ each of the object sets being data objects indicating a type of data, the appearance property indicating a fill area, the number of colors, or the number of data objects; and

changing an appearance of at least one of the ~~data objects~~ object sets so that the at least one of the ~~data objects~~ object sets is displayed in a distinct appearance, ~~depending on the appearance characteristic obtained~~ based on the appearance property.

8. (NEW) The data display device according to claim 2, wherein the appearance property obtaining unit obtains the fill area and the number of colors as appearance properties, and

the weighting unit applies a weighted value to each of the object sets so that the object set having a larger fill area and fewer colors is placed in a lower layer.

9. (NEW) The data display device according to claim 3, wherein the appearance property obtaining unit obtains the fill area and the number of plots as appearance properties, and the weighting unit applies a weighted value to each of the object sets so that the object set having a larger number of plots is placed in a lower layer.

10. (NEW) The data display device according to claim 4, wherein the appearance property obtaining unit obtains the fill area and the number of lines as appearance properties, and the weighting unit applies a weighted value to each of the object sets so that the object set having a larger number of lines is placed in a lower layer.

11. (NEW) The data display device according to claim 5, wherein the appearance property obtaining unit obtains the fill area and the number of lines as appearance properties, and the weighting unit applies a weighted value to each of the object sets so that the object set having a larger number of lines is placed in a lower layer.

12. (NEW) A data display device comprising: a weighting unit that applies a weighted value to each of a plurality of object sets that are represented in a same data representation type on a screen, based on an initial appearance property, at least one of the object sets having a distinct final appearance depending on the weighted value.